

## ABSTRACT

For monitoring invalid data that causes a computer to execute an invalid operation, an invalidity-monitoring program monitors input/output data sent to and received from a network and an externally connected device, and allows a user to set a variety of invalidity determination rules and apply an efficient rule. A data-acquisition unit acquires input/output data, which is flowing on a network or an externally connected bus, and the ID of an operator. An invalid-operation-determination unit determines whether an operation is invalid by acquiring attribute information on a user corresponding to the ID from a user-storage unit by referencing a rule corresponding to attribute information from rules stored in an invalidity-rule-storage unit and defined for the respective user, and additionally, by referencing a rule that generally determines an operation as invalid regardless of the attributes stored in the invalidity-rule-storage unit. If the operation is invalid, an interruption-processing-execution unit stops the operation processing.